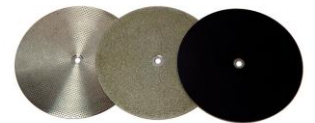


MT3 Pro Model Trimmer (Renfert USA Inc.) Project 12-001.....



The MT3 pro Wet Model Trimmer is designed for wet model trimming. It is available with two types of wet trimming wheels; the peel-off silicon carbide disc (Klettfix), and the partial diamond-coated wheel (Marathon). The fully coated diamond wheel (Infinity) is not sold with the MT3 pro but can be sold separately and added to the unit. The MT3 pro features a 100% corrosion free, robust and durable housing with a quick release front cover that allows for easy, fast cleaning due to the tool free removable front door. The trimmer table and water pipe are quickly removable for easy cleaning and maintenance. In addition, the trimmer table is fully adjustable with angle lines for every model situation and has a large working surface and ergonomic inclination that guarantees a high degree of working comfort and a clear view. The unit has an individually adjustable water inlet and automatic water on/off function. The MT3 pro can be easily and safely switched on by pressing the hermetically sealed touch keys on the top of the housing. To enhance safety, as soon as the MT3 pro is switched off, the trimmer disc is actively slowed down. It also has an overheating display that gives the unit a longer service life and a higher degree of safety during work. Its compact shape allows for easy integration into every working environment. The MT3 pro is available in a 1500W 2.01 hp 120V motor or a 1650W 2.21 230V motor. The MT3 pro is 305mm W x 330mm H x 410mm D, has a 234mm trimmer disc diameter, and weighs 32lbs. Accessories for the MT3 pro include: a water hose, a drain hose, an Allen key (SW4), an angle bracket, and a trimmer disc.



Manufacturer (or Source):

Renfert USA, Inc.
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St Charles, Illinois 60174
(800) 336-7422
(630) 762-1803
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Suggested Retail Price:

\$1130.38-MT3 pro with Klettfix wheel
\$1686.57-MT3 pro with Marathon wheel

Government Price:

\$930.90-MT3 pro with Klettfix wheel
\$1388.94-MT3 pro with Marathon wheel

ADVANTAGES:

- + Powerful 2HP motor- sufficient to handle all trimming operations
- + Motor speed
- + Fully adjustable trimmer table with angle bracket, simple/easy adjustments
- + Easy, fast cleaning
- + High safety due to the quick stop system
- +

DISADVANTAGES:

- No spray hose attached to the unit
- Trimming area too small, difficult to trim orthodontic models

SUMMARY AND CONCLUSIONS: Six dental laboratory technicians with a mean experience of six years used the MT3 pro with the Marathon wheel. All evaluators found the instruction manuals for the MT3 pro to be comprehensive and easy to understand. A large majority (5/6) of evaluators found the MT3 pro to be reliable and constructed of quality materials and workmanship with no mechanical problems noted during the evaluation. Clinical evaluators all agreed that the two horsepower motor was powerful enough to handle all trimming operations. In addition, all evaluators agreed that the MT3 pro had a stable base and didn't move during model trimming procedures. Additionally, all evaluators felt water flow was easy to adjust during trimming procedures. In spite of manufacturer's claims of a large working area, several evaluators noted a small trimming area and table making it difficult to trim orthodontic study models. Finally, the majority (4/6) noted they would recommend this product to other dental laboratories. The **MT3 Pro Model Trimmer** was rated **Acceptable** for use in US Air Force dental facilities.



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NCOIC, Dental Laboratory Evaluations